



# What are the chances of a white Christmas?

Weather Forecast Office  
Great Falls, MT  
December 10, 2022 7:33 AM

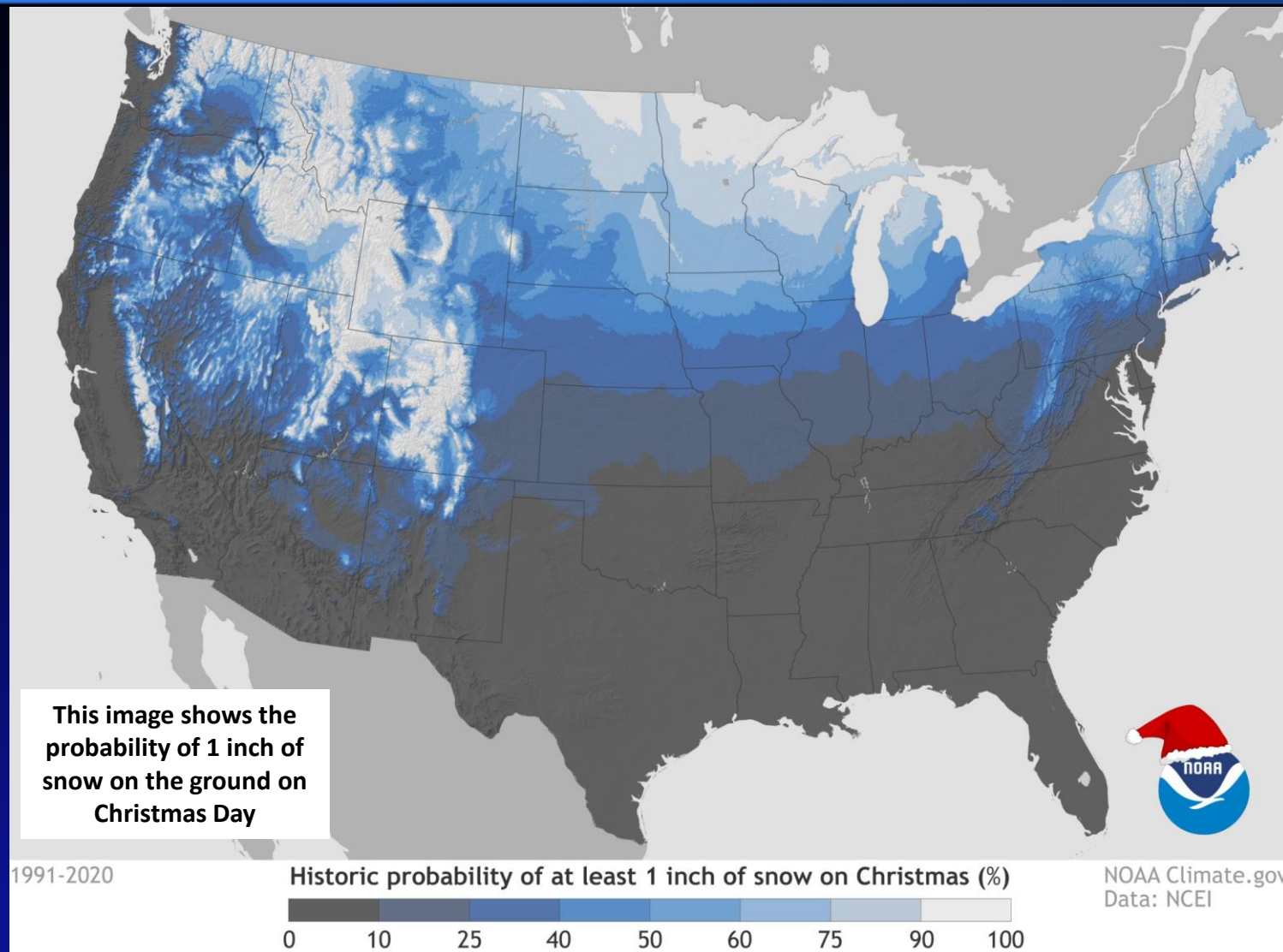
## Will we have a white Christmas?

So, what are the chances of a white Christmas Day over portions of North Central and Southwest MT.

Well, the official definition of a white Christmas Day is 1 inch or more of snow depth on the ground at 5 AM MST.

The image on the right shows the probability of a white Christmas Day across the entire United States.

Below are some local statistics on the chance of not only a white Christmas, but several inches of snow depth as well.



[weather.gov/greatfalls](https://weather.gov/greatfalls)



US National Weather Service  
Great Falls Montana



@NWSGreatFalls

## White Christmas History for Great Falls, MT



 No snow on ground and no new snow (35/70).

 No snow on ground but new snowfall (4/70).

 1 in to 3 in. snow depth (19/70).


 Over 3 in. snow depth (12/70).




Source: Climate data from GHCN-D. Design inspired by Ottawa Weather Records (@YOW\_Weather). Tree icons by Andrew King.

## White Christmas History for Havre City, MT



 No snow on ground and no new snow (23/57).

 No snow on ground but new snowfall (2/57).

 1 in to 3 in. snow depth (15/57).

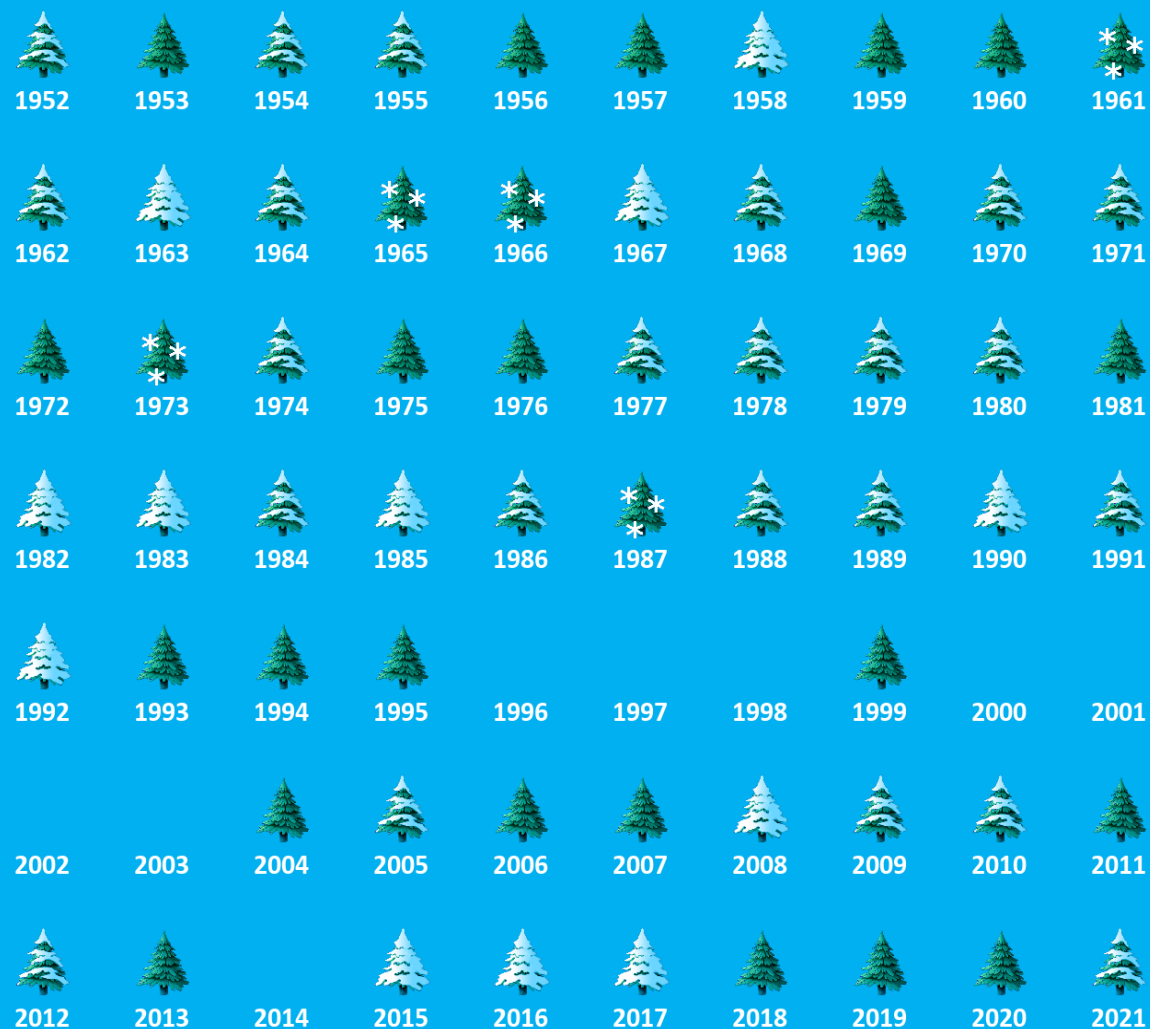
 Over 3 in. snow depth (17/57).



Source: Climate data from GHCN-D. Design inspired by Ottawa Weather Records (@YOW\_Weather). Tree icons by Andrew King.



## White Christmas History for Helena, MT



No snow on ground and no new snow (22/62).



No snow on ground but new snowfall (5/62).



1 in to 3 in. snow depth (23/62).



Over 3 in. snow depth (12/62).



Source: Climate data from GHCN-D. Design inspired by Ottawa Weather Records (@YOW\_Weather). Tree icons by Andrew King.

## White Christmas History for Bozeman Montana State Univ, MT



No snow on ground and no new snow (5/69).



No snow on ground but new snowfall (0/69).



1 in to 3 in. snow depth (19/69).



Over 3 in. snow depth (45/69).



Source: Climate data from GHCN-D. Cooperative station data may be off by a day. Design inspired by Ottawa Weather Records (@YOW\_Weather). Tree icons by Andrew King.